

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/003471

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H04L 12/56**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B, L, N, M, Q, G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and Applications for Inventions since 1975  
Korean Utility models and Applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,363,107 B1 (Xircom Wireless, INC.) 26 MAR 2002 see the whole documents	1 - 19
A	US 5,164, 942 B1( NCR Corporation ) 17 NOV 1992 see the whole documents	1 - 19
A	US 6,590,881 B1( Qualcomm, Inc.) 8 JUL 2003 see the whole documents	1, 10
P,A	US 6,696,879 B1(Micron tech. Inc.) 24 FEB 2004 see the whole documts	1, 10

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

23 MARCH 2005 (23.03.2005)

Date of mailing of the international search report

**24 MARCH 2005 (24.03.2005)**

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

SHIN, Sung Kil

Telephone No. 82-42-481-5688



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/003471

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US06363107	26.03.2002	US6141373A	31.10.2000
		US6363107B1	26.03.2002
		US6141373A	31.10.2000
		US6363107BA	26.03.2002
		US06141373	31.10.2000
US05164942	17.11.1992	DE69126489C0	17.07.1997
		EP00475681B1	11.06.1997
		EP475681B1	11.06.1997
		GB9019489A0	24.10.1990
		JP6029979A2	04.02.1994
		JP3213022B2	25.09.2001
US06590881	08.07.2003	AU200031099A1	26.06.2000
		AU769109B2	15.01.2004
		BR9915925A	09.07.2002
		CA2353453AA	15.06.2000
		CN1419752A	21.05.2003
		EP1135875A2	26.09.2001
		ID30444A	06.12.2001
		IL143541A0	21.04.2002
		JP2002532946T2	02.10.2002
		KR1020010080680	22.08.2001
		MXPA01005574A	04.06.2002
		NO20012709A0	01.06.2001
		WO200035117A3	04.01.2001
US06696879	24.02.2004	AU3063497A1	05.12.1997
		EP01010151A1	21.06.2000
		EP01361507A2	12.11.2003
		JP2000509536T2	25.07.2000
		US6130602A	10.10.2000
		US6337634B1	08.01.2002
		US6600428B1	29.07.2003
		WO9743740A1	20.11.1997